1,800 Russians At work ant to Allo , 3 alfuire U.S. Trails In Distributing Science

By WELDON WALLACE

science as a whole knows very little about Russian research, though extensive Soviet material is available, and Russis has shown enthusiastic co-operation lished here, scientists may not in sending its publications to know where to put their hands this country.

The United States has no central source to which scientists different sources to search the can turn to keep abreast of advances made in other parts of the world.

Big Staff Maintained

By contract, the Soviet Government maintains a huge central agency, with a staff esti-mated at 1,800 persons, to col-lect the best reports from all over the world and distribute them to Russian scientists.

In the United States, reports from abroad are translated and pournals now are being trans, lar times and other periodicals distributed on an irregular and lated by various agencies, gov. that appear at irregular interunco-ordinate basis. Scientific societies act individually in this United States, it is estimated by endeavor, and the Government sponsors some translating and Ralph E. O'Dette, of the Na the Russian pournals are the acting through tional Science Foundation. distribution. agencies of rather specific scope.

lated materials gets into the material?

The cream of the papers is chosen by the staff of an informedity. But in many fields, disc of original scientific research in the cream of the papers is chosen by the staff of an information is poor or non-existent. The Soviet Union of the Soviet Union of the Soviet Union of the staff of an information is poor or non-existent. tribution is poor or non-existent, the Soviet Union," Mr. O'Dette and the American Institute of

ence information.

Check Is Difficult

has been translated and pubon it, for there is not sufficient time or opportunity to check literature.

In aeronautics, the very field highlighted by the sputniks Russia has agre American use of Russian reports dimilar service. has lagged far behind Russian

flight.

Soviets Send Materials

The presidium of the Russian Pergamon Institute advance done which is not published in page proofs and illustrations of the open literature. various journals it publishes. The Institute of Mechanics of Russia has agreed to perform a

Under the Stalin regime,

who is assocated with the Na- use of world-wide materials, ac- Russia showed no such willing-In various important fields, in- tional Science Foundation as cording to a report from the ness to share, it was stated, but cluding aeronautics. American program director for foreign aci-| Pergamon Institute, a non-profit especially within the past two foundation set up in New York years, Russians have demonto translate Russian materials strated eagerness to have wide Even when foreign material on aeronautics and controlled distribution of their materials that are available in the open literature.

Of course, no one can say Academy of Sciences sends the what research they may have

Hopkins Man Asked To Aid

A Baltimore scientist. Dr. Mark V. Markovin, of the Johns Hookins University, has been invited to assist in the Pergamon Institute's translating activities.

One of the needs in distributing scientific reports is for some kind of evaluation service, Dr. Morkovin said. He pointed to a large stack of periodicals on his desk and said, "These come in here, and while a few of them are worth reading, many are not."

Under the Soviet system as described by Mr. O'Dette, material is selected carefully from among 10.000 world-wide scientific periodicals annually.

(Continued, Page 2, Column 3)

35 Soviet Journals Studied

ernmental and private, in the

Does this seem like an adequate review of the available

according to Raiph E. O'Dette, said. These sources include pe Biological Sciences.

About 35 Russian scientific; riodicals that come out at reguvals durin gthe year.

Among the American organimations engaged in translating following:

The National Science Foundation, the National Institutes of

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In Distributing Science Data

By WELDON WALLACE (Continued from Page 1)

A single paper will appear in stated, several journals if it is perfinent to different fields. This practice Physics, for example, translates

Budgeting Needed

Budgeting Needed
In aeronautics, he estimated, no more than 20 to 30 persons would fill both qualifications. Their efforts, therefore, must be carefully budgeted.
In some subjects covered extensively by the Russians there are no American services for making abstracts of foreign publications. Mr. O'Dette listed among these the following: Engineering, astronomy and geodesy.
The Soviet institute not only

The Soviet institute not only sends out its monthly reference journals but also it operates an express' service for the rapid distribution of highly important papers as soon as they are the United States of States on the Institute of States of St

Chemical Group Praised

Chemical Group Praised
In comparing the Soviet and
American systems of distributing scientific material, one has relatively new group, also reto keep in mind that they reflect

ifferent rollting philosophies different political philosophies, agencies.

Mr. O Dette emphasized. One A private control of the control of th would expect centralized control has made an important contribuin Russia.

As an example of effective the Consultants Bureau in New accomplishment under the free York, a pioneer in the field, enterprise system, Mr. O'Dette Helped Form Publication enterprise system, Mr. O'Dette Society's publications.

stracts last year, tapping some Mechanics Reviews, which he 7,000 different journals for mathematically at least half of which erving with the Office of Neval came from foreign periodicals, Research. including Russian.

Next year the society will publish 115,000 abstracts.

Project Called Best

About 1,600 volunteers among scientists all over the world collect papers for this project and make abstracts.

The chemical society's index-

This group is said to total at phone book without names."

The papers they select are farmed out all over Russia to an estimated 20,000 scientists, who make absuracts of the material and send them to the institute.

Each abstract is printed in one or more of some fifteen reference journals published monthly by the Soviet Government.

Cother seigntified groups in this

Other scientific groups in this Each journal is devoted to one field such as physics, chemistry, metallurgy, mathematics, brongy, astronomy and others.

Duplication Avoided

Other scienting groups in miscountry are far below the level of the chemical society in regard to the thoroughness of exploring and distributing world reports on research it was

to different fields. This practice physics, for example, translates saves duplication of effort. Mr. four Russian journals, but this O'Dette explained, for without is not an extensive sampling of a central service, several so-creties might translate the same can physicist rely chieffy on paper.

When German scientific re-Britain, to keep up with world-service services as to began a scilable.

When German scientific reports began to become available toward the end of World War II. as many as ten different groups in the United States translated the same material according to Dr. Morkovin.

If a similar duplication of Russian material hould follow the intense interest aroused by the spunniks, the effort would be particularly wasteful, he added, for there are tew persons in the United States who know both the Russian language and the technical subjects.

Budgeting Needed

ment of Commerce, where

A private organization that tion in scientific translation is

Dr Morkovin, in addition to his work at the Hopkins, is one with a staff of more than 150 of about 606 scientists who eval-at Columbus Ohio, the society mate reports and make abstracts published 100,090 chemical about or a publication called Apolice



Approved For Rejease 2003/01/30 mc/A-RI adding that a collection of abstracts without an adequate index is "something like a tele-